



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/715,844

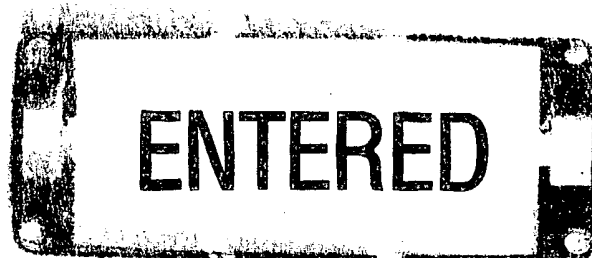
DATE: 08/20/2004

TIME: 15:04:36

Input Set : A:\1579-869.app

Output Set: N:\CRF4\08202004\J715844.raw

3 <110> APPLICANT: SCHWINN, DEBRA A.
 5 <120> TITLE OF INVENTION: ADRENERGIC RECEPTORS
 7 <130> FILE REFERENCE: 1579-869
 9 <140> CURRENT APPLICATION NUMBER: 10/715,844
 10 <141> CURRENT FILING DATE: 2003-11-19
 12 <150> PRIOR APPLICATION NUMBER: US 60/427,219
 13 <151> PRIOR FILING DATE: 2002-11-19
 15 <160> NUMBER OF SEQ ID NOS: 44
 17 <170> SOFTWARE: PatentIn Ver. 3.2
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 466
 21 <212> TYPE: PRT
 22 <213> ORGANISM: Homo sapiens
 24 <400> SEQUENCE: 1
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 26 1 5 10 15
 28 Pro Pro Ala Pro Val Asn Ile Ser Lys Ala Ile Leu Leu Gly Val Ile
 29 20 25 30
 31 Leu Gly Gly Leu Ile Leu Phe Gly Val Leu Gly Asn Ile Leu Val Ile
 32 35 40 45
 34 Leu Ser Val Ala Cys His Arg His Leu His Ser Val Thr His Tyr Tyr
 35 50 55 60
 37 Ile Val Asn Leu Ala Val Ala Asp Leu Leu Leu Thr Ser Thr Val Leu
 38 65 70 75 80
 40 Pro Phe Ser Ala Ile Phe Glu Val Leu Gly Tyr Trp Ala Phe Gly Arg
 41 85 90 95
 43 Val Phe Cys Asn Ile Trp Ala Ala Val Asp Val Leu Cys Cys Thr Ala
 44 100 105 110
 46 Ser Ile Met Gly Leu Cys Ile Ile Ser Ile Asp Arg Tyr Ile Gly Val
 47 115 120 125
 49 Ser Tyr Pro Leu Arg Tyr Pro Thr Ile Val Thr Gln Arg Arg Gly Leu
 50 130 135 140
 52 Met Ala Leu Leu Cys Val Trp Ala Leu Ser Leu Val Ile Ser Ile Gly
 53 145 150 155 160
 55 Pro Leu Phe Gly Trp Arg Gln Pro Ala Pro Glu Asp Glu Thr Ile Cys
 56 165 170 175
 58 Gln Ile Asn Glu Glu Pro Gly Tyr Val Leu Phe Ser Ala Leu Gly Ser
 59 180 185 190
 61 Phe Tyr Leu Pro Leu Ala Ile Ile Leu Val Met Tyr Cys Arg Val Tyr
 62 195 200 205
 64 Val Val Ala Lys Arg Glu Ser Arg Gly Leu Lys Ser Gly Leu Lys Thr
 65 210 215 220
 67 Asp Lys Ser Asp Ser Glu Gln Val Thr Leu Arg Ile His Arg Lys Asn



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68 225                230                235                240
70 Ala Pro Ala Gly Gly Ser Gly Met Ala Ser Ala Lys Thr Lys Thr His
71                245                250                255
73 Phe Ser Val Arg Leu Leu Lys Phe Ser Arg Glu Lys Lys Ala Ala Lys
74                260                265                270
76 Thr Leu Gly Ile Val Val Gly Cys Phe Val Leu Cys Trp Leu Pro Phe
77                275                280                285
79 Phe Leu Val Met Pro Ile Gly Ser Phe Phe Pro Asp Phe Lys Pro Ser
80                290                295                300
82 Glu Thr Val Phe Lys Ile Val Phe Trp Leu Gly Tyr Leu Asn Ser Cys
83 305                310                315                320
85 Ile Asn Pro Ile Ile Tyr Pro Cys Ser Ser Gln Glu Phe Lys Lys Ala
86                325                330                335
88 Phe Gln Asn Val Leu Arg Ile Gln Cys Leu Arg Arg Lys Gln Ser Ser
89                340                345                350
91 Lys His Ala Leu Gly Tyr Thr Leu His Pro Pro Ser Gln Ala Val Glu
92                355                360                365
94 Gly Gln His Lys Asp Met Val Arg Ile Pro Val Gly Ser Arg Glu Thr
95                370                375                380
97 Phe Tyr Arg Ile Ser Lys Thr Asp Gly Val Cys Glu Trp Lys Phe Phe
98 385                390                395                400
100 Ser Ser Met Pro Arg Gly Ser Ala Arg Ile Thr Val Ser Lys Asp Gln
101                405                410                415
103 Ser Ser Cys Thr Thr Ala Arg Val Arg Ser Lys Ser Phe Leu Gln Val
104                420                425                430
106 Cys Cys Cys Val Gly Pro Ser Thr Pro Ser Leu Asp Lys Asn His Gln
107                435                440                445
109 Val Pro Thr Ile Lys Val His Thr Ile Ser Leu Ser Glu Asn Gly Glu
110                450                455                460
112 Glu Val
113 465
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117 <211> LENGTH: 12
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119 <213> ORGANISM: Homo sapiens
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127 <212> TYPE: DNA
128 <213> ORGANISM: Homo sapiens
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135 <211> LENGTH: 12
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137 <213> ORGANISM: Homo sapiens
139 <400> SEQUENCE: 4
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12

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12

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163 <212> TYPE: DNA
164 <213> ORGANISM: Homo sapiens
166 <400> SEQUENCE: 7
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170 <210> SEQ ID NO: 8
171 <211> LENGTH: 13
172 <212> TYPE: DNA
173 <213> ORGANISM: Homo sapiens
175 <400> SEQUENCE: 8
176 tttttaaaaa atg 13
179 <210> SEQ ID NO: 9
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181 <212> TYPE: DNA
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185 gacatcagtg gtgg 14
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193 <400> SEQUENCE: 10
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197 <210> SEQ ID NO: 11
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199 <212> TYPE: DNA
200 <213> ORGANISM: Homo sapiens
202 <400> SEQUENCE: 11
203 ggtccgcac c 11
206 <210> SEQ ID NO: 12
207 <211> LENGTH: 13
208 <212> TYPE: DNA
209 <213> ORGANISM: Homo sapiens
211 <400> SEQUENCE: 12
212 cctcccccg cgt 13
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Input Set : A:\1579-869.app

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216 <211> LENGTH: 12
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226 <212> TYPE: DNA
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236 <213> ORGANISM: Homo sapiens
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247 <400> SEQUENCE: 16
248 gaaaggcgtc atg 13
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269 <210> SEQ ID NO: 19
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290 <213> ORGANISM: Homo sapiens
292 <400> SEQUENCE: 21
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298 <212> TYPE: DNA
299 <213> ORGANISM: Homo sapiens
301 <400> SEQUENCE: 22
302 ggaattgcat 10
305 <210> SEQ ID NO: 23
306 <211> LENGTH: 12
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310 <400> SEQUENCE: 23
311 tttaatgccc tg 12
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317 <213> ORGANISM: Homo sapiens
319 <400> SEQUENCE: 24
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323 <210> SEQ ID NO: 25
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325 <212> TYPE: DNA
326 <213> ORGANISM: Homo sapiens
328 <400> SEQUENCE: 25
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332 <210> SEQ ID NO: 26
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334 <212> TYPE: DNA
335 <213> ORGANISM: Homo sapiens
337 <400> SEQUENCE: 26
338 cactctccct ggt 13
341 <210> SEQ ID NO: 27
342 <211> LENGTH: 14
343 <212> TYPE: DNA
344 <213> ORGANISM: Homo sapiens
346 <400> SEQUENCE: 27
347 ggctggaggc agcc 14
350 <210> SEQ ID NO: 28
351 <211> LENGTH: 10
352 <212> TYPE: DNA
353 <213> ORGANISM: Homo sapiens
355 <400> SEQUENCE: 28
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359 <210> SEQ ID NO: 29
360 <211> LENGTH: 14
361 <212> TYPE: DNA

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/715,844

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:38; N Pos. 7608,7653,7836,7875
Seq#:39; N Pos. 1496,1497,1616,1653,1656,1663,1684,1686,1779,1808
Seq#:41; N Pos. 6,26,30,32,37,39,40,41,50,52,65,73,85,108,111,143,163,168
Seq#:41; N Pos. 230,1231,1232,1518,1536,1550,1567,1576,1601,1621,1624,1631
Seq#:41; N Pos. 1654,1670,1675,1686,1687,1691
Seq#:43; N Pos. 11,16,26,29,34,40,42,123,130,171,209

VERIFICATION SUMMARY

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Input Set : **A:\1579-869.app**

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L:592 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:7560
M:341 Repeated in SeqNo=38
L:733 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:1481
M:341 Repeated in SeqNo=39
L:799 M:283 W: Missing Blank Line separator, <220> field identifier
L:960 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0
M:341 Repeated in SeqNo=41
L:1104 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0
M:341 Repeated in SeqNo=43